W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073

AUGUST ****** 1993 ** 57 YRS
%%%%%%%%% Volume XIX NO. 8
%%%%%% Published every month
An ARRL Special Service Club
WAS= 1 WAC=___ DXCC=___
%%%%%%%%%%%%%%%%%%%%%%%%%%%%
Aug. 4th Meeting WEDNESDAY
Coffee 7pm and Mtg. @ 7:30pm
Carlsbad Safety Ctr, Palomar
Airport road to Camino Real,
East on Faraday 1/4mi, left
to C.C. Ctr., T.B. pg.14,F6.
Talk-in 146.73 & 147.075/130
%%%%%%%%%%%%%%%%%%%%%%%%%%%%

PARC FREQUENCIES USED:

* = PATCHes thru P.Mt.Rptrs.
Covering 2,000sq.mi.SDCo
** = PATCH, local VSTA/FBRK
%% = W6NWG, PARC, WI6B-Ron
(107.2 Hz used for all PL's)
Load your memories with the
PARC frequencies listed:
145.050Pkt, W6NWG/"PALMAR"%%
146.175+,(**PATCH,PL) WA6IPD
Fallbrook, Art Rideout
146.520s, National Simplex
146.535s,Palomar ARC Simplex
2mSimplex Emerg.Portable Rpt
146.700-, RTTY,PL, 5min.T.%%
146.730-,(*PATCH,PL),P.Mt.%%
147.075+,(*PATCH,PL),P.Mt.%%
147.130+,(*PATCH,PL), KA6UAI
Palomar Mt,Erik Thompson
224.900-, PL, Palomar Mt.
WD6HFR,220 Club of S.D.
METROLINK Pkt 9600 baud %%
446.000s, National Simplex
449.425-,(*PATCH,PL),P.Mt.%%

AUTOPATCH OUTLET CENTERS:
WB6FMT-VSTA; WV6Z-MMSA
WA6IPD-FBRK; N6IZW-LMSA

%%%%% C A L E N D A R %%%%%
AUG 1 Sun.START PARC CLUB YR
(YOUR LAST SCOPE?)
Aug 4 Wed.PARC CLUB MEETING
Aug12 Thu.PARC Board Meeting
Aug13/14/15 MIRAMAR AIR SHOW
Aug14 Sat.PARC VE Carlsbad
Aug14 Oceanside Ham SwapMeet
AUG?? ???.Picnic in October!
Aug29 Sun.Ham Radio Roundup
Sep 2 Wed.PARC Club Meeting
Sep 6 LaborDay PMVFDbarbecue
Oct SET EXERCISE
Oct17 Sun. PARC Club Picnic
%%%%%%%%%%%%%%%%%%%%%%%%%%%%

- NEXT CLUB MEETING -

IF YOUR LABEL READS 9307, THEN YOUR MEMBERSHIP ENDS JULY 31ST AND THE LAST NEWSLETTER YOU WILL RECEIVE IS THE AUGUST SCOPE (THIS ONE!) WHICH IS PRINTED AND MAILED IN JULY.

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be Kerry Banke, N6IZW, who will speak on the school space shuttle contact demonstration and he will bring his ALL BAND TRANSMITTER (a GIANT Testla coil). It should be a shocking program.

SHOW and TELL will feature whatever you bring. Talk to Art-KC6UQH before the meeting starts to reserve a time slot for your SHOW & TELL item(s).

W A N T to be a H A M ?
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

*** E L M E R S ***
CARDIFF, . WB6R, 753-4821
CARL$BAD *** Benton Caldwell
KK6LX, TREA$URER, 729-5161
CARLSBAD, . N6QJE, 729-0850
CHULA VISTA, N6RUV, 422-4415
DEL MAR, . KC6BJM, 755-5244
ENCINITAS, WA6HQM, 753-2605
ESCONDIDO ***** Harry Hodges
WA6YOO,(PRESIDENT),743-4212
ESCONDIDO ***** Art Mc Bride
KC6UQH,(V-PRES), 741-8143
ESCONDIDO, KB6NMK, 741-2560
FALLBROOK, WA6IPD, 728-6834
La MESA, . N6UUW, 697-6025
LAKESIDE, . WB6GXR, 561-2211
LEUCADIA, . KG6VX, 436-9983
LINDA VISTA, KB5MU, 571-8585
MIRA MESA, . W6TXK, 566-1959
OCEANSIDE, AB6LY, 439-4109
OCEANSIDE, . W6TFB, 757-9374
POWAY, . N6NNI, 748-8391
RAMONA, . . AA6UU, 789-3070
RANCHO Pen, W6OLQ, 672-3891
RANCHO S.Fe, WI6B, 756-3133
SAN DIEGO, . N6KI, 271-6079
$an Marco$,KC6WAN,Member$hip
Ralph Powell 727-7415
SAN MARCOS, AA6OM, 747-5872
SOLANA BEACH,N6CKQ, 755-9179
VALLEY CTR,**WH6CH,Secretary
Mike Garrison, 731-5228
VISTA, . . WB6FMT, 758-4388
VISTA, . . KI6JM, 598-0420

- LAST CLUB MEETING -

Attendance was 115 members, 19 guests, for a total attendance of 134. PLEASE COME EARLY and help set up chairs.

Another excellent meeting with Fred Van Avery, radio and television interference inspector for SDG&E, telling us how he locates electrical noises in AC lines. It was interesting to note that Fred is able to recognize the noise source sounds of about 90% of the cases.

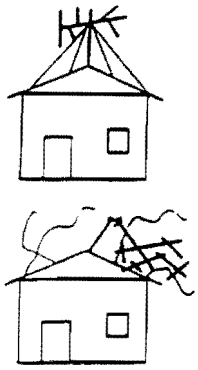
His experience allows him to locate most sources without using his sophisticated equipment. He starts out using the HF frequencies (low) to locate the area and then UHF/VHF (high) to pin point the exact location when he is in the immediate area. If you have problems, call mornings at 491-5908.

SHOW and TELL: Art-KC6UQH with an antenna tuner used for the EARS Field Day.

Dennis-N6KI again had a table with junk and hard to find items with 10% going to the club.

ART-KB6YHZ, LARRY-AB6LY & Kay again supervised the drink and goodie table. Art brings the equipment and Larry and crew take care of the coffee and goodies. Members bringing in goodies were: KI6JM, AB6LY/KEIKO, N6TCB, W6GIC, N6ISC, KM6PY, WB6GXR, & JONES/GERRY.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie)!



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!
Radio systems installation, repair and removal, and interferance resolution.

Edward Ross, N6GZI
542-1405

Antenna Specialties

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6YOO
RTech: John Kuivinen, WB6IQS
VP : Art Mc Bride, KC6UQH
Sec : Mike Garrison, WH6CH
Members: Ralph KC6WAN
SCOPE: Stan Rohrer, W9FQN
Packet: Tim-N6ZUC (control)

- also present -

- - - - - - - - - - - - - - -

Others: Bill-KB6MCU(training)
Visitors: W6GIC

- - - - - - - - - - - - - - -

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry-WA6YOO's brownies went fast. .

DISCUSSED: Aug. program and rest of the year; funds available and closing out 92-93; Oct. 17th picnic; membership 754; PARC membership card; KB6MCU class report, 32 out of 33 passed; Field Day results, problems, expenses, etc; swap meet; etc.

APPROVED: PARC folder 2,000 copies ($65?); $100 picnic reservations; appointed W9FQN to report to board on a repeater transfer. (7-22) approved $400 for 1,000' coax.

Please contact one of the board members for more info on the meeting(s).

- PRESIDENTIAL QRM -

WA6YOO 2435 Our Country Rd
Escondido, 92029, 743-4212

As I have said in the past, Amateur Radio has something for everyone. However, we do not always have the opportunity to see the wide variety of activities in action. Well, that will no longer be true because of an annual event soon to take place:

HAM RADIO ROUNDUP

The second annual Ham Radio Roundup is scheduled for Suinday, August 29, 1993 between 10:00am and 2:00pm at the Convair Missile Park, located at Missile Road and Clairemont Mesa Blvd., Thomas Brothers Page 45, E6.

This is purely a Ham activity, not open to the general public. Virtually all of the county's Amateur Radio Clubs and many of the public service agencies will have displays. For PARC, we will have a display showing our affiliation with Challenger Junior High School in the Partnership in Education Program. Other clubs will do packet, ATV, satellite, and the like. ARES and RACES will be on display.

Here is an opportunity to mix with your fellow Hams, discus common interests and trade ideas on improving our hobby. Not to be slighted, our commitment to public service through working with the Red Cross and others will be highlighted.

Mark your calendars, plan to bring guests and introduce someone to the wonderful world of Amateur Radio. A picnic lunch should be carried so you can spend some time there. Stop by the Palomar ARC table and say hello.

MIRAMAR AIR SHOW

It's that time of year when the Navy puts on a great show at the Miramar Naval Air Station. If you have never seen it, you goofed. We Amateur Radio operators provide communication support to facilitate traffic and crowd control and assist in medical emergencies. The event takes place on August 13, 14, and 15 and 2 Meter operators are needed each day. Do your bit towards givin something to the community by calling:

DAN BEGGS, KD6ASN, 748-8378

Operators are needed all three days. See you there.

73, Harry Hodges, WA6YOO

- NEWSLETTER HELPERS -

for July 1993 SCOPE(12:30)

W6OLQ, John Tentor, billing
KI6JM, Jack Hanthorn, folding QTH and refreshments
KC6WAN, Ralph Powell, printing of labels, Giant Computer
KC6QBD, Dick Gearhart, folding
W6TFB, Lloyd Hunt, folding
KB6YHZ, Art Nye, folding
KB6YHY, Anita Nye, labels
Assoc. Bob McNally, folding
WA6YOO, Harry Hodges, Staples
W9FQN, Stan Rohrer, Editor,

The Vista post office has notified PARC that we will have an audit of our August SCOPE.

Tnx to all of you who offered to make copies of the club brochur at the July meeting. We have found that TERRY-K3PXX has a printing

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"LARGEST HAM OUTLET IN THE WORLD"
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press that will do printing equal to the original printing.

Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting at 12pm. This equals 1 activity point and a lot of laughs.

- E D I T O R -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

From 1956 to 1969 I was advisor to the Elkhart HS ARC (Indiana) Club station, K9IXS. One of my amateur radio club students (1960-4), K4ESQ, (a former FCC lawyer) from Lake Minnetonka, MI, called on the phone the Thursday before FD and wanted to know if he could fly out Saturday afternoon to see how PARC does its Field Days. Our high school club station, K9IXS, almost always participated in FD and he has heard me tell about the tremendous effort PARC has been putting into this emergency exercise.

K4ESQ was here from Saturday afternoon until 4:30 Sunday morning. He helped put up some towers and antennas. Needless to say, he was so impressed with our club's effort that he called me twice Sunday afternoon and evening after flying home to express his awe at the two 40m beams (CW & SSB) and the large number of towers that most stations had at their command. He was also impressed by the professionalism of our operators and the number of YL's that attend our Field Days.

PARC's 1993 Field Day was a massive effort by everyone and much of the credit goes to DENNIS-N6KI and BILL-KB6MCU. Dennis is excellent at getting operators and radio equipment together for each of the positions. He had a few problems this year but always in the end he fields a fantasitic team of operators and equipment. Bill is a genius at making beams, towers, and all things mechanical work as they should. ORLANDO-N6UVW (the father of Dennis) is a shop wizzard who can make copies of metal objects that are better than the originals.

Bill informs me that we used 2,800' of coax and that we brought into the area almost $270,000 worth of equipment.

Our thanks to Dennis, Bill, and Orlando ..and to ALL OF OUR CLUB MEMBERS who put forth such a valient effort to better our best contact score in 1992 of 4,367 contacts to a 1993 record score of 5,629 contacts in 24 hours. We sure hope that this makes us NO.1 in 5A again and in the top TEN of all stations as we have been the past two years.

A special thanks to all of the Chief Operators of each of the stations and to the cooking crew who served all of those delightful meals.

Then there were the grunts who helped set up and tear down the club FD equipment ..and fed the hungry crew. Not very glamorus, but without them we would not have been on the air making contacts. Tnx to Paul-N6ISC, Art-KC6UQH, and Sybil-N6GIC who were the last to leave the site

(except for Bill-KB6MCU and Stan-W9FQN). Bill had to unload borrowed equipment from the trailer. Art delivered borrowed generators. Your editor was still doing a little cleanup Monday morning and moving trailers around to their final resting spots.

Many thanks to a wounderful bunch of dedicated hams! 73, W9FQN Stan

Jennifer A. Thieme
KM6WG

Bookkeeper
Accountant

(619) 599-1134

770 Sycamore Ave. #J-126
Vista, California 92083

REGISTERED
U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

- W O R K P A R T I E S -

If you are on a work party, make sure that it is reported to the editor ASAP.

(5-31) ORLANDO-N6QVW was assisted by STAN-W9FQN in checking the fitting of the new tower plate which Orlando constructed to the club's emergency trailer. On 6-8 they mounted the tower donated by NICK of HIWAY ELECTRONICS to the trailer. Only minor things need to be done to finish the installation of the tower and the displaced LP gas tanks. Orlando also dropped off the truck portable stand for the remaining tower donated by Nick.

(5-31) JOHN-WB6IQS finished almost three days of work on the RTTY repeater and with the help of CHARLES-N6TEP was able to check out the RTTY decode-encode board for proper operation.

(6-13) was a lucky day for us (Friday the 13th fell on Sunday this month) ..JOHN-WB6IQS's effort on the 146.700 RTTY repeater paid off and it is now on the air at low power. VICTOR-KI6JM of Belize fame was top man on the 80' tower at the 70' mark and was assisted by Stan-W9FQN at the 50' mark ..a repaired 2m 4-bay (9db) by ART-KC6UQH (he spent a lot of time on it) was placed at the 70' level and a 70cm collinear (13db) repaired (lowered in frequency by John and Art) was placed lower on the tower for the METRO PACKET LINK. All efforts were ably assisted by DAVID-KC6YSO and GARY-KK6YB who did all of the ground work and assisted W9FQN in measuring some trees for the road repair project. A good time was had by all and we closed shop around 3pm. We wish we could have seen more of YOU!

We saw our neighbors (property line problems) walk along our north boundary to the site during the afternoon. Stan delivered to MIKE-AB6QT two high gain 2m antennas for a future project.

(6-14) Stan returned to the site to work with the Pac Bell planner on the installation of the new telephone line which we hope to have up by the end of June.

(6-20) BILL-KB6MCU repaired both crank-up towers given to the club by HIWAY ELECTRONICS so that they function properly for Field Day. STAN-W9FQN sealed the ends of 1000's of feet of FD rope which had not been done last year. DAVE-KC6VEC and CARL-N6WLX who flew in from Ohio this past week for FD checked out a 40m sloper and a new 160m antenn which will be boxed up for FD. It really is hard keeping track of BILL and all of his activities.

(6-21) JOEY-NU6L installed the nine electrical wiring boxes for the new building (ice box) while STAN-W9FQN and Juan Gonzalez dug 105' of trenches for the new telephone connection and new wiring. The telephone wire was installed in 1" plastic pipe and buried. Joey will complete the AC wiring as soon as he picks up the new circuit breaker box and a few other needed items. Stan also extended the height of the work bench in the new building so that repeaters could be placed below the work bench and he tried to extend the time-out timer on the 146.7 RTTY repeater but could not find its adjustment.

A local resident added 10-15 loads of DG to the incoming road which has been in really bad condition from the extensive winte rains on Palomar Mountain. Additional road work will be done during the week with the possible removal of several trees.

(6-22) CARL-N6WLX checked out a 160m FD antenna while STAN-W9FQN during spare moments stripped the paint from the club house trailer so that it would look better for FD. (6-23-24) More stripping of paint ..and a little polishing.

(6-30) The phone line was connected to the main bunker and an extension is ready to be buried to the new building.

(7-7) DAVE-KD6EBY checked our 3,200AHr battery system. Trickle charge is 1.5A on each 7-cell bank and they will soon need about 10gal of water which seems like a lot but 14 LARGE cells weighing about 400 pounds each take up a lot of water just to raise their level one inch.

(7-11) JOHN-WB6IQS installed a new telephone in the block buildir (called KA6FPS) and another one i the new building which he bought at Saturday's Swap Meet. He then checked the RTTY repeater: reset the

RTTY tones, upped the deviation to normal, increased the timeout timer to 3-minutes, and repaired the signal reset for that timer. He was assisted with signals from below by KEN-N6ALA. (Woops, we later found out that an error in communications between JOHN and KEN resulted in the mark tone being decoded and re-encoded as a space ..and vice versa ..more news at 10.)

JERRY-WB6FMT corrected an autopatch problem to 146.73 which was being introduced by a problem in the 147.13 repeater squelch system. He also changed several system control codes to take care of the autopatch to be placed on the 147.075 repeater.

GREG-N7USR installed aluminum channel anchors all the way up the tower so that when the repeaters are moved to the new building that the new heliax runs can be tied in order to the channel anchors making a neat installation where we can easily trace where each heliax goes. GREG put them every 10' from 20' to the 50' level.

KATHY-KD6LUN painted everything that did not move in the new repeater building and drilled holes in the channel anchors for GREG. KATHY also consented to make up a new high-low digital thermometer to be used in the repeater buildings to see what sort of ventilation is needed on hot days.

STAN-W9FQN made some "public relations" visits to the neighbors, helped where needed, cut down several trees with his new chain saw, and using the last of the Rohn tower sections donated by Clint-W6OFT(SK), installed a new cross-arm at the 10' level on the 80' tower to be used for emergency and experimental antennas ..or was it to get rid of another tower section laying in his back yard?

In checking all the repeaters AFTER leaving the site it was discovered by JOHN that ERIK's 147.13 repeater was running with open squelch. The problem was not located so ERIK will probably come up and replace an audio board sometime soon to see if that corrects the problem. =SK=

(7-13) PAUL-N6ISC, AL-W6FXL, and STAN-W9FQN picked up some donated equipment from the estate of K6IE. RALPH-KC6WAN and STAN had previously inspected the equipment. (pse note that K6IE IS NOT N6IE (Felix) who is still a club member and pounding brass!)

Swiech Communication Systems

440-450 MHz Yagi
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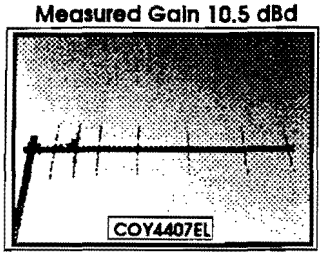
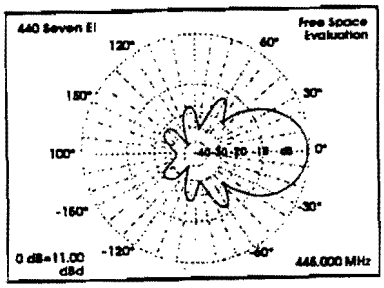


H-Plane beamwidth 50 deg
Bandwidth 440-450 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon N Connector
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

(7-23) ART-KC6UQH took the newly finshed autopatch/controller to the mountain and installed it in the 147.075 repeater. Sounds simple but this was the result of many nights of construction. He finally left the site at 1830Hrs.

STAN-W9FQN dug a hole next to the 80' tower and poured the cement base for a 6' motorola outdoor rack that he took to the site. This is the rack donated by TED-KD6AKT. The newly painted rack by W9FQN will probably be used by ERIK-KA6UAI for a project that he has in mind.

Just think. You too could get another activity point by being on a repater work party! The air is fresh and you are out in the woods. Join the fun and see the world of San Diego County from 5,600'.

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

The City Council gave its nod
Up went the skimpy quad
But without payment of his dues
Club pres removed the screws
Now City says 'twas fraud

%%%%%%%%%%%% KC6WAN %%%%%%%%%%%%%%%

- R E P E A T E R S -

We are looking for someone who would be willing to connect up a digital voice recorder to the repeater system so that we could have recorded announcements for ALL the PARC nets and for meeting announcements. PARC would provide all of the equipment and expertise to do the job. Interested members should contact STAN-W9FQN.

The 146.73 repeater has been returned to the 4-bay dipoles at the 70' level from the corner reflector (8.1db) which it has been on for the past 8-9 months. The 147.13 and 146.73 repeaters are now using the same type of antennas (9db) again and are at the same height on the tower (again at 70') but on opposite sides of the tower ..just as they were last year but their sides reversed on the tower. And now for some reason on another the 146.73 repeater is desensing the 147.13 repeater. This means that weak signals will drop out of Erik's 147.13 repeater more quickly when 146.73 is on the air ..and we suspect this is true of 147.075 too. We are looking into the problem. =SK=

Erik's 147.13 repeater lost all signal output June 26th except for the driver power which W9FQN could copy at his QTH. The receiver could

be keyed with a dead battery and less than 100mw so the receiver was working but the final transistors might be blown (not so). The repeater was returned working to the mountain July 5th after a bad jumper cable was discovered at the repeater site which caused a high SWR forcing the power shut-down circuit to turn off the finals. We have now discovered that it also has a "squelch" problem. =SK=

SPANISH ON 146.73 input (146.13): we suspect that a non-ham station in Mexico or the USA is using the input of the 146.73 repeater as a simplex INTERCOM (they can't hear us). We need help in locating the direction of this signal which comes on periodically during the day so that we can contact the Mexican hams and/or authorities if it is coming from Mexico. If it is in the USA, they could be in a canyon where few people can hear the signal and the second station could be using an HT and is blocked from Palomar Mountain so that we cannot hear it (him). MIKE-AB6QT hears both sides up on Palomar Mountain which might suggest that they are to the Southeast of him. We hope that Mike can get a direction for us on both signals.

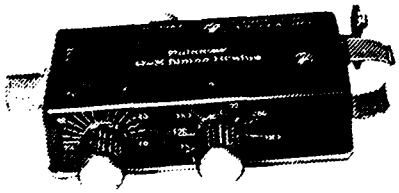
DENNIS-N6KI has swept the TJ area and can hear nothing on the input. Years ago we had problems with several stations in Mexicali. If you understand Spanish, see if you can tell from their conversations whether they are in the USA or Mexico.

We could turn on the PL and prevent them from being broadcasted but that just hides the problem. Their signals are strong enough that they could over power HT signals here in SD Co. blocking them completely out of the repeater so we would like to get them off of the frequency ASAP. It sounds like they are simplex with a strong base station and an HT that does not trip the repeater.

Please check your input when you hear them on and lets see if we can determine that they are across the border before we ask the Mexicans to do anything. =SK=

146.73 SNAP-CRACKLE-POP: At first the problem was traced to power line noise possibly from a near lightning strike. Lately it has been coming from a repeater, AB6C/R, in Hollywood Hills on 146.115+ which is only 15kc off the input of 146.73 (146.13). Ducting of the signal brings it into SDCo and excessive deviation spills over into our input giving us that "hot skillet" sound. We have also noticed a signal 5-10kc below our repeater input broadcasting the snap-crackle-pop ..and they usually do it after a work party has been to the repeater site ..probably so the morning commute group has something to ta'' about! DON'T FEED THE MONKIES! =SK=

R-X Noise Bridge



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Palomar Engineers

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Phone: (619) 747-3343

The repeater TECHS are aware of the "so called" repeater drop out on 146.73 so we would appreciate it very much if you would not mention it during your conversations. We can cause a drop out like the one you are experiencing by several "non-repeater" methods. Please check your input (146.13 +or- 5kc) during the "drop outs." =SK=

147.075 REPEATER: It now has a new controller which we have not completely mastered. When you drop your carrier you will hear a "bong" which means the timeout timer has been reset. If you wait too long after the "bong" you will hear the letter "P" which indicates "PARC" or "P"alomar Mountain ..take your pick! You also will not hear the autopatch TouchTone digits. =SK=

NEW 146.7 REPEATER: The repeater seems to be functioning properly after the 2nd trip to the mountain accidentally resulted reversing the MARK and the SPACE frequencies. If you are looking for a contact, we suggest that your chances of contacting someone in the beginning is higher between 8:30pm and 9:30pm. Remember to have your 107.2Hz PL turned on. The PL is there AT PRESENT so that we only hear RTTY stations in the SDCo area and so that other systems can reject SDCo. if they wish to do so. Our position on this could change sometime in the future. The time-out timer has been reset to five(+) minutes.

Stations heard on the RTTY repeater are: Charles-N6TEP, Ron-KD6FQW, Carl-N6NZX, Ron-KD6FQW, Joe-N6YMD, Ken-N6ALA, Bob-KA3KVI, Larry-W6QCA, Hugh-WT2Y, Larry-AB6LY ..and others too humorous to mention. =SK=

E L L E N - N 6 U W W

6-19 Ellen-N6UWW (Price Club), Terry-K3PXX (the magic man), a Stan-W9FQN looked for a jammed mic in the Vista area which first came on 146.73 around 7:30am. Ellen located a signal coming from a house

near Foothill-Vale Terrace (lots of horses in the area) and Stan entered the gate and went up to the house. He noted the barking in the background being broadcast was the same as that coming from inside the house. The signal was hard to locate because of the many reflections that were being picked up in the area which made the signal appear to come from several directions.

It was a mic laying on a table which had been jammed up against the transceiver by a notebook on the table by a ham who was out "horsing-around." The only equipment used by N6UWW and W9FQN was their HT's and the "HT in the belly" method as taught by W9FQN at the club picnics the past few years. Thanks to Larry-WA6UTQ and the many others who first gave us indications of strong signal areas in which to look. =SK=

- A U T O P A T C H E S -

de W 9 F Q N

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. =SK=

The 147.075 autopatch is now connected to the patch system on a trial basis. There seem to be several bugs which we hope to get ironed out soon. These problems might still be with the 147.13 repeater "blowing squelch" into the autopatch system. =SK=

PARC probably runs more autopatches than any other group. It needs to be remembered that the system serves only ONE REAPEATER AT A TIME: 146.73, 147.075, 147.13, and 449.425. Therefore, if your patch does not go through the system you might check .73, .075, & .13 to see if the system is being used by one of our other repeaters. The odds are that it is not being used on 449.425 ..so try again. The 146.175 patch in Fallbrook is on a different system located at WA6IPD's QTH. =SK=

The new phone line to the repeater site was installed the last week in June. =SK=

The following PARC members have been observed making good autopatch calls: PHIL-KC6TYT, DENNIS-N6KI, SUSAN-N6QDB, RON-KM6MW, FRANK-KI6YG, MARK-AA6TR, JEFF-AB6PU, etc.

Carmel Mountain TRAVEL
Joan Lovell
(619) 673-8500
Fax (619) 673-9070
11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

Need a new QTH
or
want to sell yours?
Call Clara Ziegler
943-8366
to be your agent for
north county coastal
properties
COLDWELL BANKER
Expect the best.
REALTOR®
Pete W3ARU's XYL

The following amateurs have been observed using the best format for making an autopatch call: BUD-KD6SZO
a)they announced their call using phonetics, b)dialed access, c)waited for dial tone, d)dialed 7-digit number, e)short non-business call, f)announced their call with phonetics "clearning patch," and g)shut down patch with the proper code(s).

Phonetics are really only requested for the letters following the digit in your call. For example: KD6SZO = KD6 SIERRA ZULU OSCAR. In most cases the control operators do not know your voice and that you are a PARC member so it is important to know WHO IS MAKING THE CALL. It is easy to confuse the letters v, b, c, d, e, etc. so it would help to have the phonetics. IF WE THINK YOU ARE NOT A MEMBER OR HAVE MADE AN IMPROPER CALL, WE WILL PUT THE TELEPHONE NUMBER YOU DIALED IN OUR =HATE= FILE and you won't be able to access it in the future. =SK=

We need to make sure that we know your call letters otherwise we might think YOU ARE NOT A MEMBER. Non-members and members improperly using the autopatch system have their telephone numbers added to the GIANT COMPUTER that dumps calls automatically. They might be able to get thru the system to the phone number which is restricted but when the GIANT COMPUTER finishes looking up the restricted number from its restricted tables, it will dump them even if they are connected.

YOU could be using the patch correctly. Its just that a control operator did not have a pen in hand to mark it down on a sheet of paper when he heard you make your call. Check next months SCOPE ..and the next!

- F O R E S A I L -

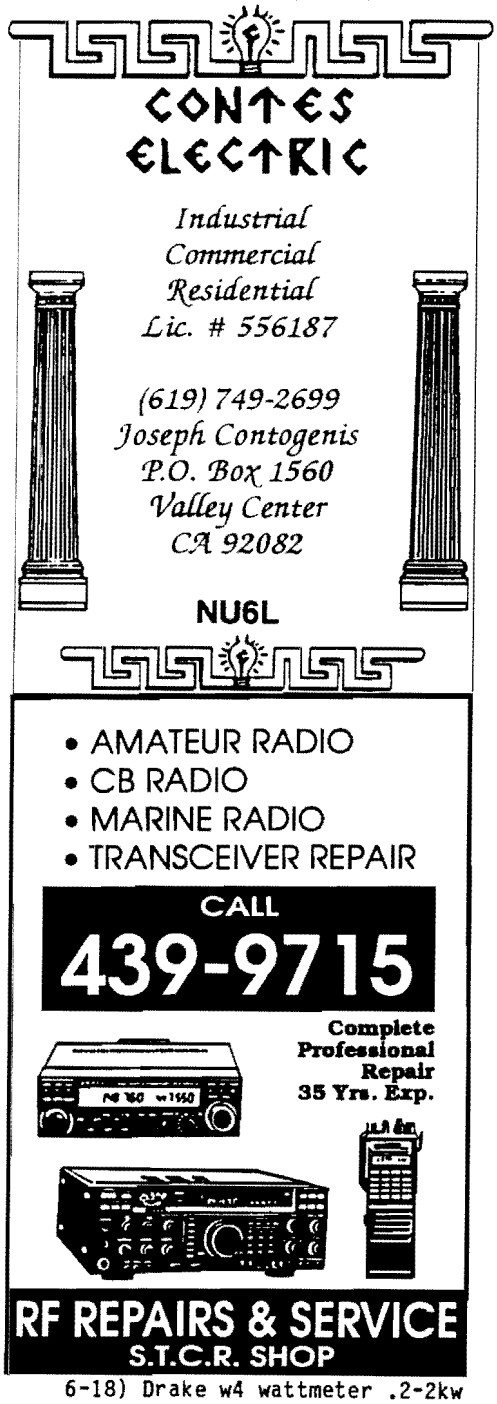
Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are $40/page to $5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at $550: W9FQN for PARC 749 0276 VC. (7-21) Yaesu FT-2400 2m xcvr

FREE ADS FOR MEMBERS

$350; MFJ-989C 3kw ant tuner $250: Abe KC6UQA 432 8222. (7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all $200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!



6-18) Drake w4 wattmeter .2-2kw scale $55; Tentec squez keyer $55; battery charger D-A-C cost $30 now $9; mobile 3.5"cone spkr $8;SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF $20; E Voice Mic 674 W/stand & cord $25: Larry W7HKI 439 5855 Ocsd.

(6-16) Kenwood TS-130SE xcvr 80-10m + WARC, MC-50mic $400: Marvin WB6PKK wkd 597 5388 or eve747 2223.

(6-9) ICOM 2SAT 5w 48mem micro HT with Touch Tone, encoder & soft case; HT 100 channel scanner; Bearcat scanner; HT CB radio; mobile CB radio; all new or like new in original boxes: Chuck N5HTC 273 0406 LaJolla.

(5-6) Coils 12m & 17M for Buttternut HF6V ant new $25: Dan WA6HYB 433 4445 Ocsd.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or $45; Hammerlund HQ-110 rcvr $10; CB Sonor Mod "E" xcvr $5: Bob KC6VDX 758 9078 Vista.

(4-29) Kenwood R-2000 rcvr $300: Dave WA6HQM 753 2605 Encinitas.

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HIGHWAY ELECTRONICS: parts, (new/old),military.Ask 4NICK 967-7225 2 C if open(10-3pm) 305WISCONSIN AV.OCEANSIDE CA

==========

(4-22) Collins KWM-2 w/pwr sup $550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box $100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, $400/offer: Mike WB6CSH 481 0770 DelMar.

(2-25) LK-500ZC HF Amplifier $800: Bob 941 2824 Vista.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

######### WANTED #########

"a few good men"

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Vlly Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(6-6) 220 HT: Larry WA6UTQ 758 5820 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2m mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-30) Kenwood Computer Interface kit IF-10B: Dennis N6KI 271 6079 Mira Mesa.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

%%

This ham's rig had a full gallon
Rata tattat of his code was infallon
He didn't pay his dues
And so now all refuse
To copy the infallon gallon

%%%%%%%%%%%%%%KC6WAN%%%%%%%%%%%%%%%%%

SWAP MEETS/NETS

OCEANSIDE: Meets on the 2nd Saturday of the month at th Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers $13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. You might also want to check with Harry-WA6YOO for any discount coupons he might have.

Larry-AB6LY and wife Kay set up the PARC booth with banners and signs and manned (& womened)it during the morning hours with help from Jim-KD6IVF.

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

IF YOU ARE IN DOUBT ABOUT WHA TO DO AFTER READING THE "CATCH-UP" TABLES, THEN JUST SEND IN $12 FOR A SINGLE MEMBERSHIP OR $21 FOR A FAMILY MEMBERSHIP AND WE WILL EXTEND

YOUR MEMBERSHIP FOR ONE YEAR FROM WHERE IT NOW IS ON YOUR LABEL ..AND YOU WILL STILL BE "out of step!"

THEE END IS NEAR!

LABEL	(Single), 1yr	2yr	3yr	(Family) Memberships 1yr	2yr	3yr
9306	$13	25	37	$22.75	$43.75	$64.75
9307	$12	24	36	$21.00	$42.00	$63.00
9308	$11	23	35	$19.25	$40.25	$61.25
9309	$10	22	34	$17.50	$38.50	$59.50
9310	$ 9	21	33	$15.75	$36.75	$57.75
9311	$ 8	20	32	$14.00	$35.00	$56.00
9312	$ 7	19	31	$12.25	$33.25	$54.25
9401	$ 6	18	30	$10.50	$31.50	$52.50
9402	$ 5	17	29	$ 8.75	$29.75	$50.75
9403	$ 4	16	28	$ 7.00	$28.00	$49.00
9404	$ 3	15	27	$ 5.25	$26.25	$47.25
9405	$ 2	14	26	$ 3.50	$24.50	$45.50
9406	$ 1	13	25	$ 1.75	$22.75	$43.75
9407	$ 0	12	24	$ 0.00	$21.00	$42.00

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. =SK=

As of 7-13-93 there were 754 members.

RENEWED: (3yr)

KB6FHO-Ed, N6OLE-Ivan, NG6Z-Bill, AA6WS-Don,

RENEWED: (2yr)

N6UWY-Lex, N6UWX-Katie, WB6CQA-Louis, KD6FKH-Don, KD6GMJ-Jeff, KU1Y-Ted, KD6DKI-Lee, W6HTT-Schmidt, W6JRQ-Walt, KD6LUN-Cathleen, N6TUR-Leo, WA6UGG-Wesley, N6KVY-Dennis, KE6QV-Chuck, WB6IOV-Bob, WB6FMT-Jerry, KC6LRH-Jan, W6WPO-Bill,

RENEWED:

WB0BMY-Karl, KB2CDY-David, WA3IHV-Rob, WB4YQU-Sam, N5HTC-Chuck, WB6AKM-Howard, N6AMD-Ray, WA6BEJ-Ted, N6CKQ-Lou, N6COU-Bill, WA6DOC-Mark, WA6DYV-Jack, WA6ESG-Ed, W6FXL-Al, KB6GKE-Steve, KD6GLF-Jim, KA6GRG-Chuck, W6HLB-Joe, KD6HPQ-Bob, WA6HQM-Dave, WA6HYB-Dan, N6ICH-Tom, K6II-Ed, WA6IPF-Paul, AB6IU-Rich, KD6IUQ-James, NC6J-Bob, KD6JPN-Bob, KD6JPP-David, WA6JXE-Don, KD6JXM-Jon, KD6JXO-Frank, KD6KHL-David, N6KVO-Marvin, W6LCT-Larry, KD6LRA-Van, KD6MUL-Ruth, W6NBH-Al, W6OML-Dick, N6PDZ-Fred, N6PEA-Mary, WA6PLX-Larry, K6PP-Gene, KJ6QO-Jeff, KC6QOJ-Allen, N6QVW-Orlando, N6RBS-Ken, KK6RX-Sal, KE6SE-Chuck, KC6TAN-Greg, WB6TBA-Bob, WA6THC-Ray, W6THU-Floyd, K6UL-Mitch, N6UZN-Stutzman, KD6VAN-Bob, KC6VDY-Greg, ND6W-Louis, N6WSW-Stewart, N6WEF-Frank, N6WEG-MaryLee, KD6WZ-Fred, KK6YB-Gary, KC6YSO-David, KC6YSP-Tony, KD6Z-Herb, KC6ZVG-Jay, N7AMR-Allen, W7LHC-Riggio, K7NA-Vince, N7USR-Greg, NN8P-Howard, W9AOX-Don, Parker(2),

THANKS to all those who renewed for more than one year allowing me more time for several important projects.

NEW MEMBERS: (2yr)

Ed Moore(waiting), Constance Lutz(testing mode), KC6WMU-David, KD6GMK-Russ, KD6OBG-David,

NEW MEMBERS:

KD6BFO-Rich, KI6CP-Steve, WA6GAH-George, KD6LPO-Art, W6MYV-Gordon, WA6ODQ-Walt, KM6RF-Bart, KD6RSN-Herb, WA6UKL-Dick, KD6ULC-Jessica, KD6ULK-Herb, KD6VHI-Mike, KD6WQJ-Steve, N6YPC-Joe, K7DCG-Dennis, John Campbell, Chris Dominguez, Steve Harlan, Marvin Jones(waiting), Gerry Jones(waiting), Bing Milljour, Ian Thurston.

CHANGES: Ann O'Brien => KD6RFO, Dan O'Brien => KD6RFN

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

"The Fishing Hole"
at Oceanside Swap Meet
No 3. Row 14, Space 1&2

Calling all
"Fishing Hams"

SAVE
20-33%
National Brands at Discount Prices
Full line of tackle items.

We also have mail order fishing tackle at discount prices.
P.O.Box1020
Carlsbad, CA92018

W7HKI Larry
W7HKL Maxine

10% of all sales to PARC members goes to the club

5 YEARS A GOGO

8-88: ..Chuck-KI6TG has started a computer help net for IBM compatibles ..Taco wagon worked well on Field Day ..Skip-K6RTD has asked to be relieved of his Giant Computer duties (membership data base) ..membership peaked at 368 this year ..Rich-N6KEW SK ..Paul-KB5MU gave talk on Digital Signal Processing ..Red-W6BLK SK ..Clint-W6OFT and Eleanore-N6QJE were happy that their grandson Gordon passed his novice exam while visiting them.

-VE TESTING-

(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HRO, 5375 Kearney Villa Rd. or at club meetings.

JUNE TESTING: 19 candidates, 25

elements with 17 passes. Two no-shows.

GEN->ADV: Joe-KC6OWA, Paul-KD6SHQ

NONE->TECH+: Tom Asfor, Melville Capps, Ramon Hernandez, Cindy Ludlow, Chris Bond, Bernard Milljour, & Chuck Morrison.

OTHER: Harris Mitchell(4A), Jim Ludlow (3B), Ramon Hernandez (2), Chuck Lacy (4B), & Constance Lutz (2).

EXAMINING JUNE TEAM: N6RUV, WA6HYC, KE6VX, AA6TR, KI6JM, AA6OM.

- - - - - - - - - - -

SPECIAL JULY TESTING: 19 candidates, 25 elements, & 18 passes.

NONE->NOVICE: Issac Dominguez & Chuck Rininger.

TECH->TECH+: Bob McNally

ELEMENT 2: Joyce Black, Eugene Chappie, Don Davis, Janet Gallo, Iona Seay, Barb Trapp, John Willis, John Campbell, Sydney Chavasse, Chris Dominguez, Glenn Hoover, Greg Spangler, Pete Uehling, & Judie Massie(not part of VE Session - certified by WB6R & WA6YOO).

SPECIAL EXAMINING JULY TEAM: WB6R, WA6YOO, & AA6OM. Looks like these three were quite busy.

- - - - - - - - - - -

JULY TESTING: 12 candidates, 27 elements with 23 passes.

GEN->ADV: Bill-KD6YJA.

TECH->ADV: Harris-KD6YJC.

NONE->TECH+: Craig Baumann & Bob Hamer.

NONE->TECH: John Kim, Shawn Lepine, Chuck Mitchell, Gordon Moog, Fred Smittle, & David Smith.

OTHER: Rob Fender (3B).

EXAMINING JULY TEAM: KB5MU, AA6UQ, KI6JM, AA6KY, W6YYV, & KE6VX.

73, Rusty-AA6OM, VE Team Leader

- N E T S -

THIS WEEK IN SAN DIEGO is every Sunday evening at 9pm on 146.73 and everyone is invited to listen to what is happening in the world of amateur radio in San Diego for the coming week. The net covers PARC club activities plus ALL clubs and radio organizations in San Diego County. PAUL-KC6JXY, one of the net controls, has arranged for ED-N6MCU to broadcast the latest information from NEWSLINE which is produced weekly in Los Angeles for distribution to amateurs in the USA and throughout the world. NEWSLINE covers the latest FCC and amateur radio activities of interest to amateurs. We are looking for 3-4 more amateur radio stations who can conduct this net for us. Please contact STAN-W9FQN if you can help us with this new net. =SK=

The new RTTY net on 146.7 will meet Sunday evenings at 2030Hrs under the direction of CHARLES-N6TEP and crew. It is being suggested that the likelihood of making a contact during the week is better if you give a CQ on RTTY between 2030-2130Hrs. The repeater was orginally set up for 30sec transmissions (2-3 lines) and requires RTTY + PL 107.2 but by the time this reaches you, it will have been changed to 5-8 minutes.

The reason for the PL was to allow stations or repeaters in LA that might hear your transmissions (146.100+PL) to reject them with a decoder. We are considering taking off the PL for the 8:30-9:30pm time slot. Please operate at low power since your rig could heat up with RTTY transmissions. (see CW below)

RTTY stations heard by N6TEP are: N6NZX, AB6LY, KD6FQW, N6ALA, KR6K, W6RUX, N6RTA,- N6YMD, KA3KVI, W6QCA, WT2Y, and W6RUX. It is also possible to work the 146.7 RTTY repeater on Contractor's Point which uses no PL so use reduced power if you are out along the coast and don't want to get into their repeater.

Your editor is wondering if you RTTY types can leave messages for each other on your systems or operate a RTTY BBS. Years ago I used to use AUTO START to pick up messages during the day and on Packet it is now possible to use "mail boxes" to leave messages for each other. A friend of mine in Indiana used to operate an RTTY bulletin board on one of the local repeaters. =SK=

The CW practice net on Monday thru Friday requires that the net control operate his 2m transceiver for long periods of time ..35-55 minutes. W9FQN places a large bag of ice cubes in a plastic bag wrappe in aluminum foil on top of his transceiver to keep it cool. A plastic sack (I use two) sometimes had holes burned in it allowing water to drip all over everything so an aluminum foil protector had to be added. =SK=

All SDCTN net controls should have received their new preamble which has been approved by PARC and JOE-N6RVO. Net controls for ALL NETS should now have their new preambles. =SK=

- LETTERS to the EDITOR -

Ur Ed & Board reserve the right to print letters and edit as needed.

(de Jack-KI6JM to Sam Kumukahi-KH6AFS/C1, POBox 1938, Hilo, HI 96721) ..it was a pleasure to work your DXpedition to Moka Ola on 15May93. I enclose my QSL card ..I was especially intrigued by the opportunity to work Moka Ola because I once had the good fortune to be acquainted with former King Kaumanua IV of The Kingdon of Moka Ola. It was many years ago at the Harvard Law School. His father, the old king, insisted that he have a legal education so that he could be a good ruler of Moka Ola.

Unfortuunately, beause of the phonetics of his name, some of the Harvard snobs gave him a rather offensive nickname, which I need not repeat here. They were disappointed when Sam, as his close friends called him, failed to take offense. In fact, he thought it was a great joke, and he laughed as only he could laugh, seemingly making the whole building shake. As you probably have heard, he was a huge man, six feet five inches tall, weighing well over 300 pounds.

After we left school, with World War II intervening, I lost track of Sam until I read several years later that his good nature ha finally been his downfall. When he ascended to the throne, one of his first challenges was dealing with

the infamous Moka Ola pirates. After lengthy negotiations, he decided to accept the assurances of Cha Li, the chief of the pirates, that he would not molest the legitimate inhabitants of Moka Ola. However, Cha Li was not true to his word, continuing to prey on the good people of Moka Ola. It is generally believed that he was personally responsible for the mysterious death of King Kaumanua IV in the prime of his life.

After the death of King Kaumanua IV, the good people of Moka Ola gradually drifted away until there remained only the pirates, who used the Kingdom as their base of operations against mariners in the area. You were very fortunate to be able to conduct a DXpedition to Moka Ola. Only one had previously been attempted, I understand, back in the twilight days of the King. Although the DXpeditioners had the permission of King Kaumanua IV, they were routed by the pirates before they ever made a contact. I was amused by the people who asked you what "Charlie 1" meant. I realized, of course, that you were not saying "Charlie", but "Cha Li", with the "1" signifying that this was the first DXpedition authorized by Cha Li. Even with his blessingg, you were fortunate to come away with your lives and fortunes intact. Cha Li is not a man to be trusted.

Noting that your first name is Samuel and that your last name has some similarity to that of the King, I cannot help wondering if you are in some way related --knowing the way that names, including my own, can change form over the generations. Whether that be true or not, please accept my very best 73 and aloha. (please feel free to use the historical informaton contained herein in any manner you deem appropriate. =SK=

(de N6TEP) PARC has installed a RTTY repeater at its transmitter site. Its purpose is to encourage the use of RTTY and to speed up message traffic during high-volume times such as holidays and during military actions such as was experienced during Desert Storm. We almost routinely ran over the allotted net time of one hour into other scheduled nets. RTTY, especially at 75-100 baud can transfer the average 25-word message in just a few seconds.

All amateurs who have RTTY capability are cordially invited to join in the nightly traffic net at 2000 hrs on 146.73 and handle messages by picking them up or sending them on RTTY, using the new repeater on 146.7 which presently has a PL of 107.2Hz.

The 8:30pm RTTY net Sunday evening is just being established. Everyone interested in RTTY is encouraged to participate each evening between 2030 and 2130 hrs on 146.7.

Operators who have problems interfacing their radios with their computers using various software packages for RTTY can now ask questions on the new Thursday night COMPUTER HELP NET which started July 8th on 146.73 at 2100 Hrs. 73, N6TEP =SK=

(de Earl-K6CLU 28May93) ..please send 3 ham stamp pins ..going to give them to friends up here ..one will go to PARC charter member Bill Jago-K7MO ..always enjoy receiving the SCOPE ..my, how membership has grown ..especially from when I first joined in 1953.

..hope to see you all at a meeting when I'm visiting down south ..tell everyone who still remembers me I said hi ..am on 20m 14.274 with Don-W6NQZ in Vista on Sundays at 10am ..also on 40m checking into WCARS around noon each day ..I used to hear and say hi to Dennis (N6KI? -Ed) in SD ..haven't heard him for some time ..thanks, Stan and the very best "73" to you and the club members ..Earl Leak, K6CLU, 38 Riviera, Grants Pass, OR 97527. (Earl was president of PARC in 1959 -Ed) =SK=

(To ARS V63DJ de Joe-KC6QXU) Thank you for the QSO during the contest. You asked me what was 10-10 (club)? ..so I'll start at the beginning. In 1962 10m was threatened to be lost to amateurs for lack of use. A S.Cal. AR Club came up with the idea of issuing a number to each of it's members with a challenge of seeing who could collect the most numbers. With the restriction that each nmber had to be collected on 10m ..since then it has become an international organization with now over 64,500 members ..growing about 2,500 members a year. 10-10 puts out a 32+ page news letter and has contests (WAS, WAC, OM&YL, etc) four times a year with many other awards. (applications can be obtained de Joe-KC6QXU at club meetings -Ed) =SK=

DAN-WA6HYB has sent several notes chastizing PARC for not having a wallet size membership card ..which PARC has been working on for the new club year ..but it has been a low priority project. Dan, facetiously, has suggested making a copy of your cancelled check as your membership card. (We used to have membership cards but we had no easy or cheap way of sending them out to old and new members. It has been suggested that we only hand them out to members who show up at meetings or request them with autopatch sheets and an SASE. What do you think? -Ed) =SK=

(Editor - a sample membership card was approved at the July Board Meeting and should be printed up sometime in August. They will only be handed out at club meetings or sent to you when requested with an SASE.)

(de Victor-KI6JM) ..many PARC Mewmbers are thinking about buying new cars this year. If your choice includes a Toyota, you may want to think again. A fellow ham at Toyota forwarded a letter regarding radios and Toyota's. It stated that any transceiver, 10 watts or more (CB, Amateur, Commercial 2-way or Cellular Phone) installed in most 1992/93 Toyota models would void the vehicle's warranty. Several amateurs using transceivers in 1992 Camry have had problems with the vehicle's computer "black box." The cost is over $1,200 to fix and guess who pays? So, before you buy any new

PARC Membership Application

AMATEUR CALL

CLUB MEMBERSHIP? ☐ NEW ☐ RENEW

ARRL MEMBER? ☐ YES ☐ NO

LAST NAME

FIRST NAME

STREET ADDRESS

CITY

STATE ZIP

HOME PHONE

WORK OR OTHER PHONE

HAM LICENSE EXPIRES

FAMILY MEMBERSHIP (List other calls and names)

1993

CLASS OF LICENSE

N T T+ G A E

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are $12 a year which includes $3 for the club newsletter, or $21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman. Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer. For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

car, especially a Toyota, check to see if you can install a 2-way radio. Or better yet maybe you can get by with a handheld. =SK=

- N E W S -

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

THE AMERICAN RADIO RELAY LEAGUE IN ASSOCIATION WITH THE CONVAIR AMATEUR RADIO CLUB AND THE AMATEUR RADIO EMERGENCY SERVICE ARE PROUD TO PRESENT THE 1993 HAM RADIO ROUND-UP ON SUNDAY, AUGUST 29, 1993, at Missile Park in Kearney Mesa.

Sako Hasegawa, JA1MP, founder of Yaesu, died June 12th in Tokyo at 64.

Dwayne Eskridge, W6LKE, died in April. As an FBI agent in Honolulu Dec. 7, 1941, he was one of the first radio operators to announce the Japanese attack on Pearl Harbor. =SK=

The Fallbrook Amateur Radio Transmitting Society (FARTS) 10m SSB net meets on 28.340 + or - QRM at 0300Z (2000 local). Net controls are Mon-Fri W6LKC, Sat-KD6AKT and Sun-WBØYCQ. (Tnx YCQ) =SK=

After a week in Seoul, Korea, PAT-N6INN and RALPH-K6HAV (former SCOPE editor and other club positions) left Japan for L.A. and their new QTH at 666 North Columbus St, Salt Lake City, UT 84103. They intend on coming to Vista sometime soon on business. =SK=

The ARSENE AMATEUR RADIO SATELLITE was successfully launched May 12th. Main downlink 145.975 MHz. When final checkout is completed it will xmt AX.25 FM packet. AOS is 12hrs every two days or so. Apogee 36,000KM, perigee 17,000KM, & inclination 1deg.


```
#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#
# SCOPE,USPS 076530, published monthly by #
# the PALOMAR AMATEUR RADIO CLUB, INC     #
# Post Office Box 73, Vista CA 92085-0073 #
# Dues $12 for 12 months of membership &  #
# includes $3 for this newsletter.        #
# - - - - - - - - - - - - - - - - - - -   #
# POSTMASTER: Send changes to -> SCOPE,   #
# P. O. Box 73, Vista, CA. 92085-0073     #
#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#
```


INSIDE: FD. Letters, Repeaters, Autopatches, etc.

No Patch on 147.13 until August 22, 1993.

NON MEMBER: we thought that you might like to consider joining PARC because we have noted your -->>

- __interest in amateur radio
- __new/changed license status
- __request for information
- __using 146.730 W6NWG/R
- __using 147.075 W6NWG/R
- __using 147.130 KA6UAI/R
- __using 449.425 W6NWG/R
- __using 147.175 WA6IPD/R

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* * * * * * *
* 2nd Class *
*  Postage  *
*  paid at  *
* V I S T A *
* CA. 92085 *
*     -9998 *
* * * * * * *
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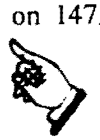

```
                          Membership   License
        <Palomar Mt>      Expires      Expiration
       VSTA/MMSA/LMSA/Falb/PRCyymm     LXyymm
             XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Ph.Codes-->XX                                           XX
   DELIVER XX                                           XX
     TO --->XX                                          XX
             XX                                         XX
             XX                                         XX
             XX                                         XX
             XX                                         XX
             XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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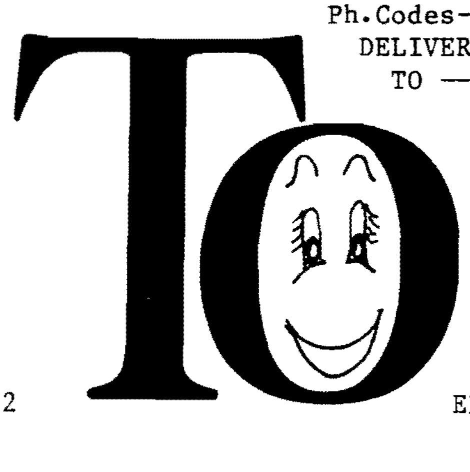

EXEC MTG THUR, AUGUST 12th, 1900Hr, WA6YOO's QTH